

# FLEET SUPPORT CONFERENCE

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## OVERVIEW FSC 23 ACTION ITEMS



**Tom Rivers;  
PMS377J**



# FSC ACTION ITEMS

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## 23-01 RECOMMEND CLOSE

### Waivers for Propellers Exceeding 1000 Operation Hours

**Activity:** PMS377J

**Comment:** PMS377J provided guidance for obtaining waivers for continued use of propellers exceeding 1000 operational hours to meet operational commitments until lead time of replacement full up propellers can meet planned maintenance requirements .

**Status:** Guidance provided by PMS377 message 181821Z Mar 04. ACUs should submit a Departure From Specification for approval by Type Commanders for continued operations beyond 1000 hours.



# FSC ACTION ITEMS

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## 23-02 OPEN

### Non-skid Deck by Prop-Shroud Area

**Activity:** NSW C SSES

**Comment:** NSW C SSES review the requirements for non-skid required in the flexible area aft of the engines, but forward of the propellers.

**Status:** Review of application procedures to ensure adequate profile for new non-skid to adhere conducted; SWRMC verified non-skid spec includes direction for contractors to use mechanical means (power tools) to establish sufficient profile for application of non-skid and conduct QA to verify that sufficient profile exists.

Additionally, alternative non-skid Flexible Epoxy Non-Slip Deck Coating MS-880G was installed on LC 52, 65 and 79 port and starboard side in front of the propellers, port and starboard side on top of engine modules, and port and starboard on top of the forward line lockers. Evaluation of test is ongoing.



# FSC ACTION ITEMS

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## **23-03 RECOMMEND CLOSE** **POA&M For Antenna Survey**

**Activity:** NSWC Panama City

**Comment:** Provide ACUs/PMS377 with POA&M for conducting antenna survey in FY 04.

**Status:** Action Complete. POA&M provided; results of survey briefed at May, 2004 TSR review at NSWCCD Philadelphia. Development of implementation plan for replacement and relocation of antennas included in NSWC PC's FY 05 core tasking.



# FSC ACTION ITEMS

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## 23-04 RECOMMEND CLOSE

### Gearbox Incident Reporting

**Activity:** NSWCSSES

**Comment:** NSWCSSES provide draft LCAC Gearbox Incident Report for standard format to PMS377 for approval/promulgation.

**Status:** Action Complete. LCAC Gearbox Incident Report promulgated by PEO SHIPS Ltr 4760 Ser 377/061 dtd 22 Dec 03.



# FSC ACTION ITEMS

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## **23-05 RECOMMEND CLOSE**

### **C/A 434K Bridgemaster-E Radar Install on LC 37, 38, 46**

**Activity:** NSWC Panama City/PMS377J.

**Comment:** \_Material delivery date for Radar Interface Units will not support February start date of C/A 434K on LCAC 37, 38 and 46. As necessary to describe item. NSWC Panama City provide delivery schedule for RICUs to PMS377J; PMS377J incorporate into advanced planning for LC 37, 38 and 46 avails.

**Status:** Action Complete. TSR J-10-04 tasked NSWC PC to assemble temporary RICUs and deliver to ACU 4 to support LC 27, 38 and 46 installs; contractor installs completed successfully.



# FSC ACTION ITEMS

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## 23-06 RECOMMEND CLOSE

### Craft Turnover Checklist

**Activity:** PMS377J

**Comment:** PMS377 Approve/promulgate Craft Turnover Checklist for turnover of craft to SLEP and back from SLEP to the ACUs.

**Status:** Action Complete. List developed and turnover of LC 26 and 40 to TMLS completed.



# FSC ACTION ITEMS

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## **23-07 RECOMMEND CLOSE**

### **Deep Skirt Provisioning**

**Activity:** NSWC Panama City

**Comment:** NSWC Panama City review Deep Skirt provisioning and provide update at November Supportability working group.

**Status:** Action Complete.

## **23-08 RECOMMEND CLOSE**

### **Lift Fan Blade Replacement Schedule**

**Activity:** ACU 4/5

**Comment:** ACU 4/5 provide availability schedule for replacement of lift fan blades to PMS3771 to coordinate with lift fan blade procurements.

**Status:** Action Complete. ACU 4 and 5 provided schedule to PMS3771.





# FSC ACTION ITEMS

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## 23-09 RECOMMEND CLOSE

### Prop Shroud PMS Inspection Requirement

**Activity:** NSWG Panama City

**Comment:** NSWG Panama City review PMS Inspection requirements for Prop Shrouds and revise as necessary.

**Status:** Action Complete. Review of PMS inspection requirements complete and recommended changes to MRC 63 8KZS N submitted to FTSCPAC by NSWG PC Ltr 4720 Ser R51/007 dtd 10 Mar 2004.



# FSC ACTION ITEMS

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## 23-10 RECOMMEND CLOSE

### SLEP Supply Usage

**Activity:** PMS377J

**Comment:** PMS377 provide forecast for SLEP material procurements to NAVICP.

**Status:** Action Complete. PEO SHIPS letters 4720 Ser 3771/1325 dated 5 May 2003 and 4720 Ser 3771/169 dated 14 April 2004 provided NAVICP with planned requirements for SLEP propeller assemblies, gearboxes, propulsion shafts, and shaft couplings.



# FSC ACTION ITEMS

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## 23-11 RECOMMEND CLOSE

### CraftAlt Baseline

**Activity:** PMS377J

**Comment:** Program Office will provide a post SLEP baseline of desired CraftAlts.

**Status:** Action Complete. Baselines for -2209 and -2200 contracts promulgated via e-mail. For FY 05 SLEP, craft alteration package included in TDP. TDPs discussed at Work Definition Conferences with ACU 4 and 5.



# FSC ACTION ITEMS

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## 22-01 RECOMMEND CLOSE

### MilCon Funding for Upgrade of ACU Facilities.

**Activity:** OPNAV N75

**Comment:** OPNAV N75 identify sponsor for MILCON funding and coordinate to POM for necessary upgrades to support Heavy Lift LCAC.

**Status:** N75 will include identification of MILCON requirements for necessary facility upgrades as part of any changes in future LCAC force structure.



# FSC ACTION ITEMS

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**22-06 OPEN**

## **CAMS Torque Limiting System Torque Meters**

**Activity:** NSWC SSES

**Comment:** NSWC SSES investigate feasibility of installing torque meters on ETF-40B engines.

**Status:** There are no work-arounds for the current torque limiting system in CAMS. All engines will under perform because of manufacturing tolerances, inlet losses and compressor degradation. NSWC SSES has conducted a review of torque manufacturers for "off-the-shelf" meters. There were none capable of meeting the environmental and space constraints. NSWC SSES continued to research new development initiatives. The most promising are an SBIR being performed by NAVAIR for the V-22 and a COSSI being performed by the US Army for the Comanche. Both efforts require additional development for LCAC requirements. In FY 04, NSWC will continue a feasibility study of a permanent torque measuring systems. The proposed system would allow ETF40Bs to be governed by torque rather than N1 and N2. Implementation of such a system will require FADEC and CAMS modifications and numerous ILS changes. Efforts will continue in FY 05.



# FSC ACTION ITEMS

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**22-07 OPEN**

## **CAMS Torque Limiting Tables**

**Activity: NSWC SESS**

**Comment:** CAMS torque limiting tables have errors and have no source requirements that can be used for verification during qualification testing. NAVSEA Philly verify/develop approved and documented torque limiting tables for anti-ice off, anti-ice low and anti-ice high.

**Status:** CAMS Torque Limiting Tables are a function of inlet air temperature. T1 sensors on LCAC 91 used to measure inlet air temperatures were faulty, TSR J-80-02 tasked NSWC SSES to purchase replacement T1 sensors; replacement sensors have been installed on LCAC 91 and T1 data is being analyzed for accuracy. ECD for analysis of T1 Data is Sep 04 . Rec'd a "Customer Deck" from Vericor that can be used to predict engine performance. Unfortunately, the customer deck does not have the capability to predict engine performance at all the conditions needed to develop validated torque limiting tables for CAMS given varied inlet conditions and bleed air anti-ice settings. NSWC-SSES is now developing a SOW to have Vericor provide an improved customer deck.



# FSC ACTION ITEMS

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## **22-19 RECOMMEND CLOSE** **RCCB replacement.**

**Activity:** CSS PSNSDB

**Comment:** CSS develop a "D" Alteration or AER to replace RCCBs. ACUs provide priority list of RCCBs to be replaced; power distribution system, A/C system, fuel system and ramp system.

**Status:** Replacement of single phase RCCBs with 3 phase commercial breakers for the power distribution system accomplished on LC 2 & 25 during PSA. Replacement of single phase RCCBs with 3 phase breakers in the power distribution system as well as replacement & relocation of A/C system and ramp RCCBs with manual breakers is being accomplished in SLEP.

C/A 500K could be developed for backfit into life cycle craft; approximate cost will be \$100k per craft.